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WR-35 Rev. 8/23/13

WV GEOLOGICAL SURVEY MORGANTOWN, WV

Page 1 of 4

w1

State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API <u>47</u> - 103 ₋ 1707	County WETZEL	-	District GRANT		
Quad PINE GROVE 7.5'		OYT	Field/Pool Name W	ILEYVILLE	
Farm name DALLISON LUMBE			_Well Number _103		
Operator (as registered with the OC Address 5260 DuPONT ROAD	$_{ m OG)}$ $$ H.G. ENERGY LLC				
As Drilled location NAD 83/UT Top hole Landing Point of Curve Bottom Hole Elevation (ft) 1,408'	Northing 4,383,642 M Northing Northing	Ea: Ea:	sting 529,778 M sting sting st		
Permit Type Deviated				□ Deep ■	Shallow
Type of Operation □ Convert	□ Deepen □ Drill □	Plug Back □ Red	rilling Rework	■ Stimulate	
Well Type ☐ Brine Disposal ☐ C	CBM □ Gas □ Oil 🖪 Sec	ondary Recovery	Solution Mining 🗆 Sto	orage Other	
Type of Completion ■ Single □ Drilled with □ Cable ■ Rotar Drilling Media Surface hole ■ Production hole ■ Air □ Mud Mud Type(s) and Additive(s) N/A	y Air □ Mud ■Fresh Wa	ter Intermediate	e hole		
Date permit issued2/12/13	Date drilling com		Date drilling	ceaseu	N/A
Date completion activities began	10/17/13	_ Date completion a	ctivities ceased	10/11/10	
Verbal plugging (Y/N) N	Date permission grante	d	Granted by		
Please note: Operator is required	to submit a plugging applic	cation within 5 days o	f verbal permission to	plug	
Freshwater depth(s) ft	None	Open mine(s) (Y/N) depths	N	
Salt water depth(s) ft	None	Void(s) encountered (Y	d (Y/N) depths	N	
Coal depth(s) ft	Mana	Cavern(s) encounted	ered (Y/N) depths	N	
Is coal being mined in area (Y/N)	N.I.			Reviewed	by:

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DEC 3 0 2013 Page 2_of 4 WV GEOLOGICAL SURVEY **WR-35** MORGANTOWN, WV Rev. 8/23/13 Farm name_DALLISON LUMBER INC. _Well number_103 API 47- 103 -1707 Did cement circulate (Y/N) Basket Grade New or **CASING** Hole Casing * Provide details below* Depth(s) Used wt/ft Depth **STRINGS** Size Size Conductor Existing Surface 1,320' **Existing** 8 5/8" Coal Intermediate 1 Intermediate 2 Intermediate 3 Existing Production 4 1/2" 3,367' Existing Tubing Packer type and depth set Comment Details WOC Cement Yield Volume Slurry CEMENT Class/Type Number (hrs) $(ft^{\frac{3}{2}})$ Top (MD) (ft 3/sks) wt (ppg) of Sacks of Cement DATA Conductor Surface 540 Existing Coal Intermediate 1 Intermediate 2 Intermediate 3 Production 275 Existing Tubing Loggers TD (ft) 3343' Drillers TD (ft) 3442' Plug back to (ft) N/A Deepest formation penetrated Gordon Plug back procedure N/A Kick off depth (ft) □ deviated/directional □ induction □ density □ caliper Check all wireline logs run □ temperature □sonic □ gamma ray □ neutron □ resistivity Were cuttings collected ■ Yes □ No Well cored □ Yes ■ No Conventional Sidewall DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Existing WAS WELL COMPLETED AS SHOT HOLE □ Yes ■ No DETAILS _____

□ Yes 📱 No

WAS WELL COMPLETED OPEN HOLE?

WERE TRACERS USED □ Yes ■ No

DETAILS

TYPE OF TRACER(S) USED __

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DEC 3 0 2013

WR-35 Rev. 8/23/13

WV GEOLOGICAL SURVEY MORGANTOWN, WV

Page	3	of	4
^B-			

API 47- 103 - 1707

Farm name DALLISON LUMBER INC.

Well number_103

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	Existing	3305'	3308'	18	Gordon
1	Existing	3312'	3315'	18	Gordon
			<u> </u>		
·					
<u> </u>					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI) 3638	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	10/17/13	10	2523	N/A	3030	13,000	0.0	
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Please insert additional pages as applicable.

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DEC 3 0 2013

WV GEOLOGICAL SURVEY

Page <u>4</u> of <u>4</u> WR-35 MORGANTOWN, WV Rev. 8/23/13 Farm name DALLISON LUMBER INC. Well number 103 API 47- 103 _ 1707 **DEPTHS** PRODUCING FORMATION(S) 3301'-3316' MD _____ TVD Gordon Please insert additional pages as applicable. OIL TEST | Flow | Pump □ Build up □ Drawdown □ Open Flow **GAS TEST** DURATION OF TEST _____hrs Bottom Hole____psi SHUT-IN PRESSURE Surface psi GAS MEASURED BY Water Oil NGL **OPEN FLOW** Gas bpd □ Estimated □ Orifice □ Pilot bpd bpd mcfpd **BOTTOM** TOP **BOTTOM** TOP LITHOLOGY/ DESCRIBE ROCK TYPE AND RECORD QUANTITYAND DEPTH IN FT DEPTH IN FT DEPTH IN FT DEPTH IN FT **FORMATION** TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC) MD MD NAME TVD TVD See original Well Record 0 0 Please insert additional pages as applicable. Drilling Contractor ______State _____Zip _____ City Address Logging Company State _____Zip _____ City _ Address Cementing Company State _____Zip _____ City Address Stimulating Company Producers Service Corp. State OH Zip 43701 City Zanesville Address 109 South Graham Street Please insert additional pages as applicable. Telephone $304-470 \sim 1107$ Mgc Date 11/26/117iloser_ Heldwan Title Operation Signature Attach copy of FRACFOCUS Registry Submittal of Hydraulic Fracturing Chemical Disclosure Information

Prepared for:

H G Energy



INVOICE #: 16007	
WELL NAME: L S Hoyt #103	
STATE & COUNTY: WV/ Wetzel	
TOWNSHIP/FIELD: Wielyville	
DATE of SERVICE: 10/17/2013	

Description	Notes	Amount
LUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1
COID PUMP CHARGE 0-3000 FOI MIN OFFICE TIME		1
BLENDER CHARGE 0-10 BPM MILEAGE CHARGE PER UNIT ONE WAY	2 Units @ 70 Miles	140
	2 Omto @ 10 miles	300
C ACID 15%	-	0.5
PRO HIB II		2
ACID DELIVERY		25
PRO CLA LOK (KCL SUBSTITUTE)		12
PRO NE-21		250
PRO GEL 4		50
BUFFER I		50
BUFFER II		2
BIO CLEAR 750		22
AP BREAKER		15
BXL-A		15
BXL-10C	<u> </u>	150
SAND 20/40 ECONOPROP		525
SAND DELIVERY / TON MILES		1
DATA VAN		

Customer Approval:		

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